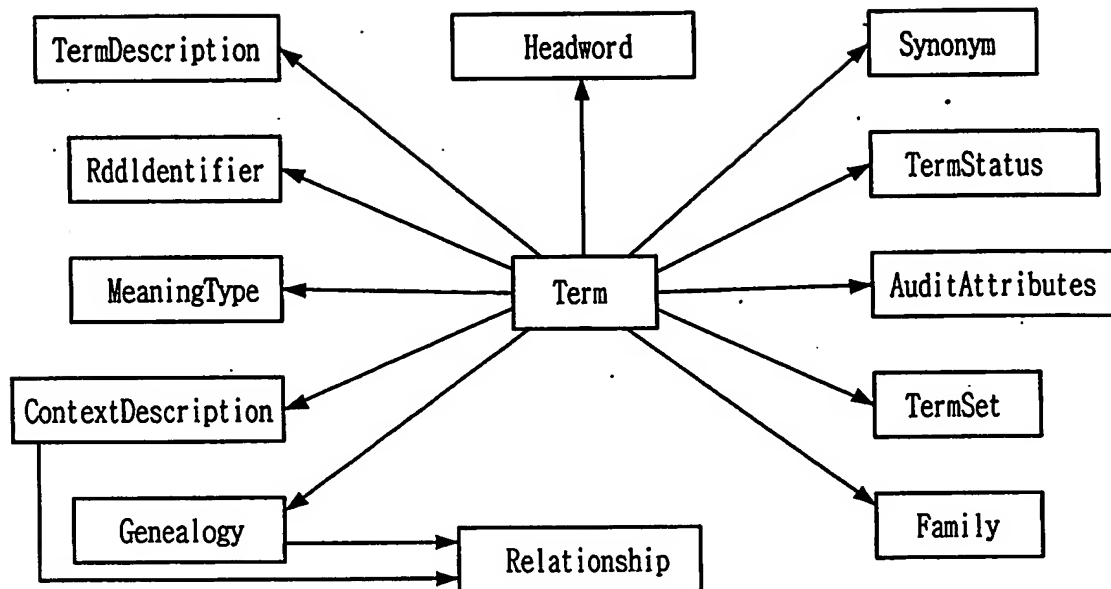


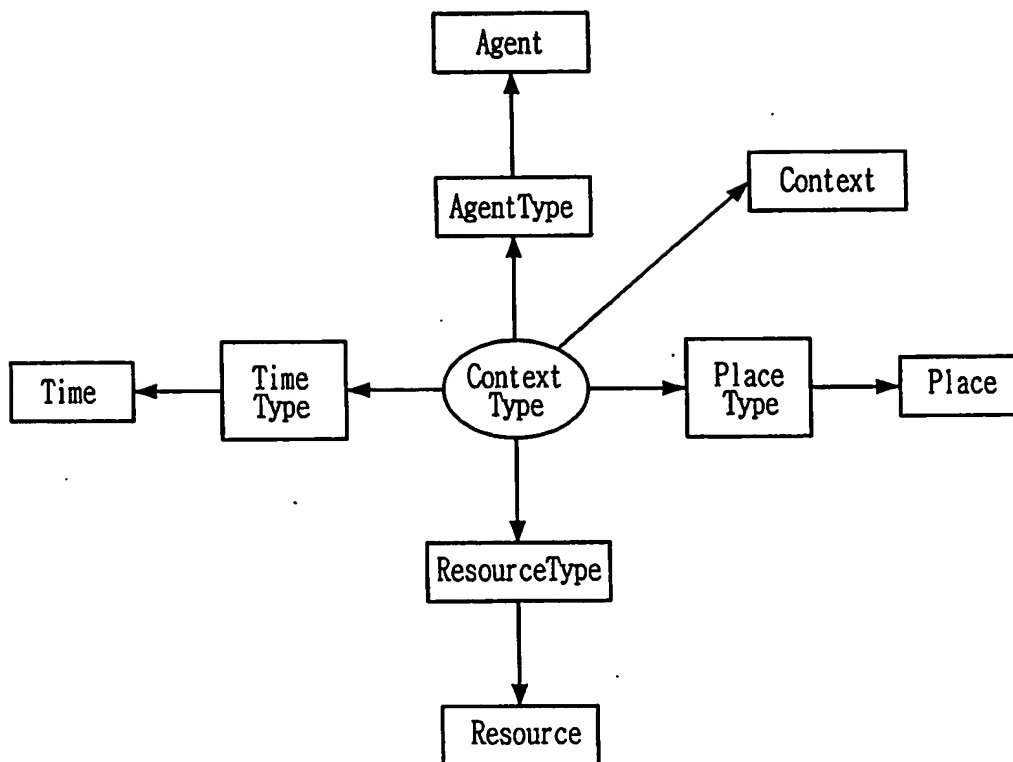
1/21

FIG. 1



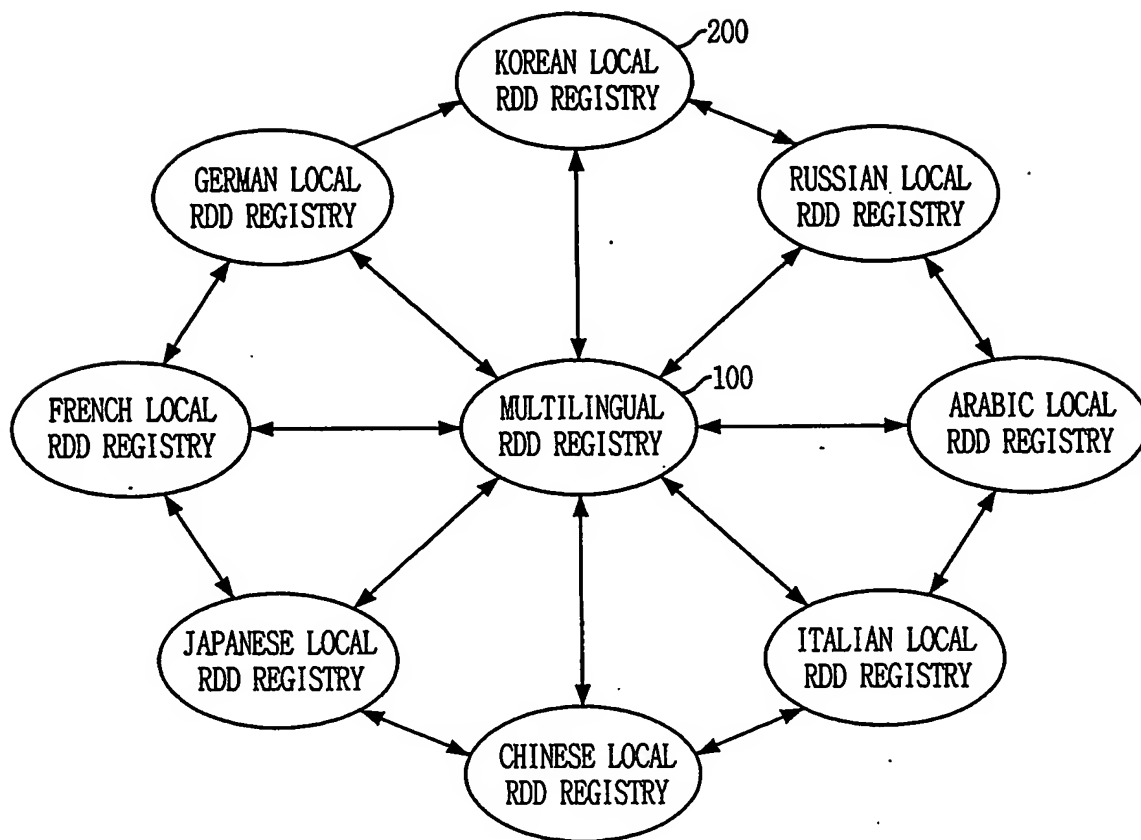
2/21

FIG. 2



3/21

FIG. 3



4/21

## FIG. 4A

```

<?xml version="1.0" encoding="UTF-8"?>
<!--=====
ISO/IEC 21000-6 Rights Data Dictionary XML Schema Version 1.0
=====-->
<xs:schema          targetNamespace="urn:mpeg:mpeg21:2003:07-RDD-NS"
  xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:rdd="urn:mpeg:mpeg21:2003:0
  7-RDD-NS">
  <xs:annotation>
    <xs:documentation>
Rights Data Dictionary Registry version 1.0
</xs:documentation>
</xs:annotation>
<xs:element name="Term" type="rdd:TermType">
  <xs:annotation>
    <xs:documentation>
      A Semantic element with a defined Meaning and an RddIdentifier
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Headword" type="rdd:HeadwordType">
  <xs:annotation>
    <xs:documentation>
      The primary, human-readable Name of a Term according to its Authority
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Authority" type="rdd:AuthorityType">
  <xs:annotation>
    <xs:documentation>
      An Agent responsible for Ascribing an Attribute to a Term or TermAttribute.
    </xs:documentation>
  </xs:annotation>

```

5/21.

## FIG. 4B

```

</xs:element>
  <xs:element name="AuthorityID" type="xs:string">
    <xs:annotation>
      <xs:documentation>Identifier of Authority</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="TermStatus" type="rdd:TermStatusType">
    <xs:annotation>
      <xs:documentation>
A Status of a Term according to its TermAttributes.
</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="RddIdentifier" type="xs:string">
      <xs:annotation>
        <xs:documentation>
The unique Identifier of a Term in the RDD ictionary
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="MeaningType" type="rdd:MeaningType">
        <xs:annotation>
          <xs:documentation>
An abstract element of significance represented in RDD by a Term
          </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ContextDescription">
        <xs:annotation>
          <xs:documentation>
A Group of Relationships describing the attributes of a Context.
          </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:element>
  </xs:element>

```

6/21

## FIG. 4C

```

</xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="rdd:ContextDescriptionType"/>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:element name="Genealogy">
  <xs:annotation>
    <xs:documentation>
      A Group of Relationships that determine the derivation of, and constraints on,
      Meaning for a Term, and which are true regardless of Context.
    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="rdd:GenealogyType"/>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:element name="Comment">
  <xs:annotation>
    <xs:documentation>
      A Natural language annotation of something for the purpose of amplification or
      clarification of its Meaning.
    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="rdd:CommentType"/>
    </xs:complexContent>
  </xs:complexType>

```

7/21

## FIG. 4D

&lt;/xs:element&gt;

&lt;xs:element name="ActionFamily" type="rdd:ActionFamilyType"&gt;

&lt;xs:annotation&gt;

&lt;xs:documentation&gt;

A group of Relationships expressing the impact of an ActType as a set of one-to-one Relationships between its Agents, Resources, Times and Places.

&lt;/xs:documentation&gt;

&lt;/xs:annotation&gt;

&lt;/xs:element&gt;

&lt;xs:element name="ContextFamily" type="rdd:ContextFamilyType"&gt;

&lt;xs:annotation&gt;

&lt;xs:documentation&gt;

A Group of Relationships expressing the impact of a Type of Context as a set of one-to-one Relationships between a Type of Context and its Agents, Resource, Times and Places.

&lt;/xs:documentation&gt;

&lt;/xs:annotation&gt;

&lt;/xs:element&gt;

&lt;xs:element name="Audit" type="rdd:AuditType"&gt;

&lt;xs:annotation&gt;

&lt;xs:documentation&gt;

A Set of attributes of an Event in the history of the Term or TermAttribute within the RDD Dictionary

&lt;/xs:documentation&gt;

&lt;/xs:annotation&gt;

&lt;/xs:element&gt;

&lt;xs:element name="Family" type="rdd:FamilyType"&gt;

&lt;xs:annotation&gt;

&lt;xs:documentation&gt;

A Group of Relationships that determine attribute inheritance from one Term to others according to the ContextModel

&lt;/xs:documentation&gt;

8/21

## FIG. 4E

```
</xs:annotation>
</xs:element>
<xs:element name="Synonym">
  <xs:annotation>
    <xs:documentation>An alternative Name of a Term</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="rdd:SynonymType"/>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:element name="AccessStatus" type="rdd:AccessStatusType">
  <xs:annotation>
    <xs:documentation>
      A Status whose Value determines which RddUsers may have access to a Term
      or TermAttribute.
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="TermDescription" type="rdd:TermDescriptionType">
  <xs:annotation>
    <xs:documentation>
      A natural language Description of the Meaning of a Term.
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Translation" type="rdd:TranslationType">
  <xs:annotation>
    <xs:documentation>Translation of a Heaword</xs:documentation>
  </xs:annotation>
</xs:element>
```



9/21

## FIG. 4F

```

<xs:element name="TermSet" type="rdd:TermSetType">
  <xs:annotation>
    <xs:documentation>
      Two or more Terms or TermSets grouped together under an Authority for any
      purpose.
    </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Type" type="rdd:TypeType">
  <xs:annotation>
    <xs:documentation>The property of the headword.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Language">
  <xs:annotation>
    <xs:documentation>
      A Natural Language in which a Lexical Manifestation can be expressed.
    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:language">
        <xs:attribute name="scheme" default="iso639"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element name="AllowedValue" type="rdd:AllowedValueType"/>
<!--=====Complex Type=====-->
<xs:complexType name="HeadwordType">
  <xs:sequence>
    <xs:element name="HeadwordText" type="xs:string">

```

10/21

## FIG. 4G

```

<xs:annotation>
  <xs:documentation>An Instance of Headword</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element ref="rdd:TermDescription" minOccurs="0"/>
<xs:element ref="rdd:Audit" minOccurs="0"/>
<xs:element ref="rdd:AccessStatus"/>
<xs:element ref="rdd:RddIdentifier"/>
<xs:element ref="rdd:MeaningType"/>
<xs:element ref="rdd:ContextDescription" minOccurs="0"/>
<xs:element ref="rdd:Genealogy" minOccurs="0"/>
<xs:element ref="rdd:Family" minOccurs="0"/>
<xs:element ref="rdd:AllowedValue" minOccurs="0"/>
<xs:element ref="rdd:TermStatus"/>
<xs:element ref="rdd:TermSet" minOccurs="0"/>
<xs:element ref="rdd:Type" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
<xs:complexType name="SynonymType">
  <xs:sequence>
    <xs:element name="SynonymText" type="xs:string" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="CommentType">
  <xs:sequence maxOccurs="unbounded">
    <xs:element name="CommentTitle" type="xs:string"/>
    <xs:element name="CommentText" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="GenealogyType">
  <xs:sequence>
    <xs:element name="Has" type="xs:string" minOccurs="0"

```

11/21

## FIG. 4H

```

maxOccurs="unbounded"/>
    <xs:element name="HasComponent" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="HasMember" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="HasValue" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="Is" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsA" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsAClassFromSet" type="xs:string" minOccurs="0"
axOccurs="unbounded"/>
    <xs:element name="IsActTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsAgentTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsAllowedValueOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsAttributeOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsContextTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsEqualTo" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsExpressionOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsHistoricQualityOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsIdentifierOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsNameOf" type="xs:string" minOccurs="0"

```

12/21

## FIG. 41

```

maxOccurs="unbounded"/>
    <xs:element      name="IsOpposedTo"      type="xs:string"      minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element      name="IsPartOf"         type="xs:string"      minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsPlaceTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsPotentialQualityOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsPresentQualityOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsQualityTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsReciprocalOf" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsRelatingTermBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsRelatingTermFrom" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsRelatingTermTo" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsResourceTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsStateTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element      name="IsStatusOf"      type="xs:string"      minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IsTimeTypeBegottenBy" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element      name="IsTypeOf"        type="xs:string"      minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>

```

13/21

## FIG. 4J

```

</xs:complexType>
  <xs:complexType name="ContextDescriptionType">
    <xs:sequence>
      <xs:element name="HasActType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="HasAgentType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="HasPlaceType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="HasResourceType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="HasStateType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="HasTimeType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ActionFamilyType">
    <xs:sequence>
      <xs:element name="BegetsAgentType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsContextType" type="xs:string" minOccurs="0"
axOccurs="unbounded"/>
      <xs:element name="BegetsPlaceType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsResourceType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsTimeType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsRelatingTerm" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>

```

14/21

## FIG. 4K

```

</xs:complexType>
  <xs:complexType name="ContextFamilyType">
    <xs:sequence>
      <xs:element name="BegetsActType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsAgentType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsPlaceType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsQualityType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsRelatingTerm" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsResourceType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsStateType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="BegetsTimeType" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="AllowedValueType">
    <xs:sequence>
      <xs:element name="HasAllowedValue" type="xs:string"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="TermDescriptionType">
    <xs:sequence>
      <xs:element name="Definition" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>

```

15/21

## FIG. 4L

A TermDescription according to formal rules.</xs:documentation>

</xs:annotation> .

<xs:complexType>

<xs:simpleContent>

<xs:extension base="xs:string">

<xs:attribute name="DefinitionType">

<xs:simpleType>

<xs:restriction base="xs:QName">

<xs:enumeration value="Definition"/>

<xs:enumeration value="RddDefinition"/>

<xs:enumeration value="AdoptedDefinition"/>

</xs:restriction>

</xs:simpleType>

</xs:attribute>

</xs:extension>

</xs:simpleContent>

</xs:complexType>

</xs:element>

<xs:element name="Example" type="xs:string" minOccurs="0"

maxOccurs="unbounded">

<xs:annotation>

<xs:documentation>

An Instance of usage illustrating the Meaning of a Term

</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element ref="rdd:Language"/>

<xs:element ref="rdd:Comment" minOccurs="0"/>

<xs:element ref="rdd:Synonym" minOccurs="0"/>

<xs:element ref="rdd:Translation" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

16/21

## FIG. 4M

```
<xs:complexType name="TermType">
  <xs:sequence>
    <xs:element ref="rdd:Authority"/>
    <xs:element ref="rdd:Headword" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="AuditType">
  <xs:sequence>
    <xs:element name="Date" type="xs:date"/>
    <xs:element name="ActType" type="rdd:AuditActType"/>
    <xs:element ref="rdd:AuthorityID"/>
    <xs:element name="AuditReason" type="xs:string"/>
    <xs:element name="AuditComment" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="FamilyType">
  <xs:choice maxOccurs="unbounded">
    <xs:element ref="rdd:ActionFamily" minOccurs="0"/>
    <xs:element ref="rdd:ContextFamily" minOccurs="0"/>
  </xs:choice>
</xs:complexType>
<xs:complexType name="PersonType">
  <xs:sequence>
    <xs:element name="FirstName" type="xs:string"/>
    <xs:element name="LastName" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ContactType">
  <xs:sequence>
    <xs:element name="PersonName" type="xs:string"/>
    <xs:element name="Email" type="xs:string"/>
    <xs:element name="Telephone" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```



17/21

## FIG. 4N

```

<xs:element name="Fax" type="xs:string" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="AuthorityType">
  <xs:sequence>
    <xs:element ref="rdd:AuthorityID"/>
    <xs:element name="AuthorityName"/>
    <xs:element name="Contact" type="rdd:ContactType"/>
    <xs:element name="Address" type="rdd:AddressType"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="TranslationType">
  <xs:sequence>
    <xs:element name="IsTranslationOf" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="TermSetType">
  <xs:sequence>
    <xs:element name="TermSetName" type="xs:string">
      <xs:annotation>
        <xs:documentation>REL      Termset,      BCD      Termset,      XYZ
TermSet.....</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="rdd:AuthorityID"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="TypeType">
  <xs:sequence>
    <xs:element name="HasType" type="xs:string" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Has only HasType</xs:documentation>

```

18/21

## FIG. 40

```

    </xs:annotation>
  </xs:element>
</xs:sequence>
</xs:complexType>
<xs:complexType name="AddressType">
  <xs:sequence>
    <xs:element name="URL" type="xs:anyURI"/>
    <xs:element name="PostalCode" type="xs:string"/>
    <xs:element name="Street"/>
    <xs:element name="City"/>
    <xs:element name="ProvinceState"/>
    <xs:element name="Country"/>
  </xs:sequence>
</xs:complexType>
<!--=====Simple Type=====-->
<xs:simpleType name="TermStatusType">
  <xs:union>
    <xs:simpleType>
      <xs:restriction base="xs:Name">
        <xs:enumeration value="StandardizedTerm"/>
        <xs:enumeration value="NativeTerm"/>
        <xs:enumeration value="AdoptedTerm"/>
        <xs:enumeration value="MappedTerm"/>
        <xs:enumeration value="IsolatedTerm"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:union>
</xs:simpleType>
<xs:simpleType name="AuditActType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Create"/>
    <xs:enumeration value="Modify"/>
  </xs:restriction>
</xs:simpleType>

```

19/21

## FIG. 4P

```
<xs:enumeration value="Delete"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MeaningType">
  <xs:union>
    <xs:simpleType>
      <xs:restriction base="xs:Name">
        <xs:enumeration value="Original"/>
        <xs:enumeration value="PartlyDerived"/>
        <xs:enumeration value="Derived"/>
        <xs:enumeration value="Axiomatic"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:union>
</xs:simpleType>
<xs:simpleType name="AccessStatusType">
  <xs:union>
    <xs:simpleType>
      <xs:restriction base="xs:Name">
        <xs:enumeration value="OpenAccess"/>
        <xs:enumeration value="RestrictedAccess"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:union>
</xs:simpleType>
</xs:schema>
```

20/21

## FIG. 5

```

<?xml version="1.0" encoding="UTF-8"?>
<Term ID="23">
  <Headword> 적용시키다 </Headword>
  <Definition> 새로운 자원을 생성할 수 있도록 자원에 변경을 가하는
  것 </Definition>
  <Authority>urn:mpeg21:2003:07-RDD-NS-KOR</Authority>
  ...
  <Comment> 최종 결과 두 개의 독립된 자원이 생성되며, 하나의 자원이 생성되는
  경우에는 Adapt 가 아니라 Modify 임 </Comment>
  <Genealogy Type="IsTypeOf">Derive</Genealogy>
  <ActionFamily>
    <ActionType Type="BegetsContextType">적용이벤트</ActionType>
    <ActionType Type="BegetsAgentType">적용자</ActionType>
    <ActionType Type="BegetsResourceType">적용</ActionType>
    <ActionType Type="BegetsResourceType">적용의_원본</ActionType>
    <ActionType Type="BegetsResourceType">적용_도구</ActionType>
    <ActionType Type="BegetsTimeType">적용_시간</ActionType>
    <ActionType Type="BegetsPlaceType">적용_장소</ActionType>
  </ActionFamily>
</Term>

```

21/21

FIG. 6

